

AMENDMENTS TO THE CLAIMS

1-14. (Canceled)

15. (Currently Amended) A punching unit comprising:

a plurality of punches and dies for punching holes in a sheet member to be punched, said punches being movable in a moving direction;

a reciprocating member capable of reciprocating in a reciprocating direction orthogonal to the moving direction of said punches;

a plurality of cams and cam followers that are operably interposed between said reciprocating member and said plurality of punches so that reciprocating movement of said reciprocating member ~~converts converts to vertical~~ movement of said punches in the moving direction between punching and non-punching positions;

wherein said plurality of punches are grouped into a first group of punches that is composed of a predetermined number of punches and a second group of punches that includes one of said punches of said first group and that has a smaller number of punches than said predetermined number of punches of said first group;

wherein said plurality of cams and cam followers include cams and cam followers corresponding to said first group of punches that are arranged to produce a predetermined number of holes in a punching state by vertically moving said punches of said first group in the moving direction in response to reciprocation of said reciprocating member within a first movable range;

wherein said plurality of cams and cam followers include cams and cam followers corresponding to said second group of punches that are arranged to produce a punching state for a smaller number of punches than the predetermined number of punches by vertically moving said punches of said second group in the moving direction in response to reciprocation of said reciprocating member within a second movable range;

wherein said plurality of cams are each formed in a cam plate said reciprocating member extending in the reciprocating direction, have at least one V-shaped portion for moving one of

said punches from said non-punching position to said punching position and back to said non-punching position, and have straight sections connecting with said at least one V-shaped portion that hold the one of said punches at said non-punching position;

wherein at least one of said cams is exclusively used with said first group or said second group, and ~~each of~~ said at least one of said cams that is exclusively used engages said cam follower with said V-shaped portion thereof when producing said punching state of said first movable range or said second movable range, and engages said cam follower continuously with said straight portion across its entire range when not producing said punching state of said first movable range or second movable range; ~~and~~

wherein said cam that corresponds to said punches of said one of said first group that is also included in said second group has a first said V-shaped portion that engages with said cam follower in said first movable range and a second said V-shaped portion that engages with said cam follower in said second movable range; and

wherein said first movable range is a range in which said reciprocating member has moved when it has advanced by one step in one direction of reciprocation from a home position with respect to a main frame that supports said reciprocating member and said second movable range is a range in which said reciprocating member has moved when it has advanced by another step in said one direction of reciprocation.

16- 20. (Cancelled)

21. (Currently Amended) The punching unit of claim ~~20~~15, wherein:

first and second neutral positions are provided on opposite sides from said home position in said first and second movable ranges, respectively, said home position being interposed between said first and second neutral positions; and

said reciprocating member ~~vertically~~ moves said first group of said plurality of punches or said second group of said plurality of punches in the moving direction by reciprocating in said first movable range or said second movable range.

22. (Previously Presented) The punching unit of claim 15, wherein said first group comprises three or more of said punches arrayed at a predetermined pitch, and said second group comprises at least two punches of said punches of said first group.

23. (Previously Presented) The punching unit of claim 15, further comprising movement restricting means for restricting said reciprocating member from moving in the second movable range or the first movable range when being used in the first movable range or the second movable range, respectively.

24. (Previously Presented) The punching unit of claim 23, wherein said movement restricting means comprises a stopper for blocking movement of said reciprocating member at a predetermined position with respect to said main frame.

25- 28. (Cancelled)